



# Recombinant Rat Complement C1q subcomponent subunit A (C1qa)

<b>Product Code</b>	CSB-MP003637RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P31720
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	EDVCRAPN GKDGVAGIPG RPGRPGLKGE RGEPGAAGIR TGIRGLKGDM GESGPPGKPG NVGFPGPTGP LGNSGPQGLK GVKGNPGNIR DQPRPAFSAI RQNPPTYGNV VVFDKVLTNQ ENPYQNRTHG FICAVPGFYY FTFQVISKWD LCLSISSSR GQPRNSLGFC DTNSKGLFQV LAGGTVLQLQ RGDEVWIEKD PAKGRIYQGT EADSIFSGFL IFPSA
<b>Source</b>	Mammalian cell
<b>Target Names</b>	C1qa
<b>Protein Names</b>	Recommended name: Complement C1q subcomponent subunit A
<b>Expression Region</b>	23-245
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N terminus and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the A-chain polypeptide of human complement subcomponent C1q.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.